

1. A receipt printer for simultaneously printing on a first medium and a second medium, comprising:

A) a first printing unit; and

B) a second printing unit;

wherein the first and second printing units are opposed to one another and are coupled to a printer controller that controls simultaneously printing, by the first and second printing units, on the first medium and the second medium, respectively.

2. The receipt printer of claim 1 wherein the first print medium is a first side of a material being printed and the second print medium is a second side of the material being printed.

3. The receipt printer of claim 2 wherein a width of the receipt is in a range of about 1 centimeter to 21 centimeters.

4. A printing system for simultaneously printing on a first print surface and on a second print surface, comprising:

A) a receipt printer, coupled to a receipt producing apparatus, for simultaneously printing a receipt on said first and second print surfaces; and

B) the receipt producing apparatus, coupled to the receipt printer, for sending instructions to the receipt printer for printing the receipt on said first and second print surfaces.

5. The printing system of claim 4 wherein the receipt producing apparatus is a cash register.

6. The printing system of claim 4 wherein a width of the two-sided receipt is in a range of about 1 centimeter to 21 centimeters.

7. A method of simultaneously printing on a first print medium and on a second print medium, wherein at least some of first information printed on the first print medium is at least the same as second information printed on the second print medium.
8. The method of claim 7 wherein all of the first information is the same as the second information.
9. The method of claim 7 further including loading at least one print medium between at least two printing units that are arranged to print on the first print medium and the second print medium simultaneously, respectively.
10. The method of claim 7 wherein the first print medium is a first side of a material being printed, and the second print medium is a second side of the material being printed.
11. The method of claim 7 wherein the first information and the second information are printed on print media from two sources, and the print media are disposed together between the at least two printing units and are fed in synchrony between the at least two printing units.
12. The method of claim 7 wherein the first information and the second information are printed on print media from two sources, and the print media are disposed side by side, each of the print media having a printing unit arranged to print thereon.
13. The method of claim 7 wherein the at least two printing units comprise two printing units with black ink and at least one color printing unit.
14. The method of claim 7 wherein the at least two printing units are disposed on a circular belt on two pulleys.

15. The method of claim 14 wherein the belt is arranged in an oblong fashion around the printing media.

16. The method of claim 15 wherein the belt travels on a track in a single direction while printing first information on the first print medium and second information on the second print medium.

17. The method of claim 7 wherein the at least two printing units print at least one of: receipts, coupons and labels on the first print medium and the second print medium.

18. The method of claim 17 wherein the first print medium and the second print medium have a width in a range of about 1 centimeter to 21 centimeters.

19. A system for simultaneously printing first information on a first medium and second information on a second medium, wherein the second information is identical to or different from the first information, the system comprising:

at least one print medium feed unit having at least one print medium disposed thereon, coupled to a printer controller and arranged to load the at least one print medium within a path for printing by at least one printing unit that is arranged to print on the first print medium and the second print medium; and

a printer having:

the at least one printing unit disposed therein; and

the printer controller coupled to an input device, the at least one printer unit, the at least one print medium feed unit, and two feed controllers for controlling print medium feed, wherein the printer is arranged for printing, simultaneously, first information on the first print medium and second information on the second print medium.

20. The system of claim 19 wherein the first print medium is a first side of a material being printed, and the second print medium is a second side of the material being printed.
21. The system of claim 19 wherein the at least one printing unit comprises one printing unit that, when printing, travels along a drive system defining opposing first and second printzones located on opposite sides of a print medium loaded therebetween.
22. The system of claim 21 including a drive system that comprises a drive belt driven by a drive pulley and stabilized by an idler pulley wherein the drive pulley and the idler pulley each include a means for permitting the printing unit to print on the first print medium, pass around a next pulley and print on the second print medium.
23. The system of claim 22 wherein the means for permitting the printing unit to print on the first print medium, pass around a next pulley and print on the second print medium is a notch.
24. The system of claim 19 wherein the at least one printing unit includes at least two printing units, the first information and the second information are printed on print media from two sources, and the print media are disposed together between the at least two printing units with a front surface of the first print medium facing in an opposite direction with respect to the front surface of the second print medium, and the print media are fed between the two printing units.
25. The system of claim 24 wherein the print media are fed in synchrony between the two printing units.

26. The system of claim 19 wherein the first information and the second information are printed on print media from two sources, and the print media are juxtaposed, each of the print media having at least one printing unit arranged to print thereon.

27. The system of claim 19 wherein the at least one printing unit comprises two printing units dispensing black ink and at least one color printing unit.

28. A dual side printing apparatus for simultaneously printing first information on a first medium and second information on a second medium, wherein the second information is identical to or different from the first information, the apparatus comprising:

at least one print medium feed unit having at least one print medium disposed thereon, coupled to a printer controller and arranged to load the at least one print medium within a path for printing by at least one printing unit that is arranged to print on the first print medium and the second print medium; and

a printer comprising:

the at least one printing unit disposed therein; and

the printer controller coupled to an input device, the at least one printer unit, the at least one print medium feed unit, and two feed controllers for controlling print medium feed, wherein the printer is arranged for printing, simultaneously, first information on the first print medium and second information on the second print medium.

29. The dual side printing apparatus of claim 28 wherein the first print medium is a first surface of a material being printed, and the second print medium is a second surface of the material being printed.

30. The dual side printing apparatus of claim 28 wherein the first information and the second information are printed on print media from two sources, wherein the print media are arranged

with a front surface of the first print medium facing in an opposite direction with respect to a front surface of the second print medium, and the print media are fed between two printing units.

31. The dual side printing apparatus of claim 28 wherein the first information and the second information are printed on print media from two sources, and the print media are juxtaposed.

32. The dual side printing apparatus of claim 28 wherein the at least one printing unit includes a printing unit dispensing black ink and at least one color printing unit.

33. A printer for simultaneously printing in a first printzone and a second printzone, with the first and second printzones being on opposing sides of a print media feed path, comprising:

A) a first printing unit dedicated to the first printzone and

B) a second printing unit dedicated to the second printzone;

wherein the first and second printing units are coupled to a printer controller that controls printing.

34. The printer of claim 33 wherein the first printing unit is configured for monochrome printing and the second printing unit is configured for multi -color printing.

35. The printer of claim 34 wherein the first printing unit utilizes black ink.

36. The printer of claim 33 wherein the first printing unit and the second printing unit print on one print medium with two print surfaces.

37. The printer of claim 33 wherein the first printing unit prints on a first print medium and the second printing unit prints on a second print medium, wherein the first print medium and the second print medium are juxtaposed.

38. A printer for printing in a first printzone and a second printzone, with the first and second printzones being on opposing sides of a print media feed path, comprising a printing unit, coupled to a print controller, for printing in the first printzone and the second printzone.

39. The printer of claim 38 wherein the printing unit is configured for at least one of: monochrome printing and multi-color printing.

40. The printer of claim 39 wherein, for monochrome printing, the printing unit utilizes black ink.

41. The printer of claim 38 wherein the printing unit prints on one print medium with two print surfaces.

42. The printer of claim 38 wherein the printing unit prints on a first print medium and then prints on a second print medium, wherein the first print medium and the second print medium are juxtaposed.